

WAR DEPARTMENT

BASIC FIELD MANUAL



**CONVENTIONAL SIGNS, MILITARY
SYMBOLS, AND ABBREVIATIONS**

12-300-15

CHANGES

No. 1

WASHINGTON, May 9, 1942.

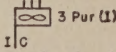
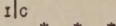
FM 21-30, November 26, 1941, is changed as follows:

■ 8. LIST OF BASIC SYMBOLS.—a. To indicate purpose or character of activity.

*	*	*	*	*	*	*
Entanglement:						
*	*	*	*	*	*	*
Filter center	-----					
Gas:						
*	*	*	*	*	*	*
General hospital	-----					
Information center	-----					
Laboratory, experimental station, or proving ground	-----					
*	*	*	*	*	*	*
Point, any located (suitable description)	-----					
Point, disposal, for airplane	-----					
Point, distributing:						
*	*	*	*	*	*	*
Procurement district, headquarters	-----					
RADAR station	-----					
Railway center	-----					(TYPE NO.)
*	*	*	*	*	*	*
Replacement training center	-----					
Revetment, splinterproof, for airplane	-----					
School, commonly used	-----					
*	*	*	*	*	*	*

[A. G. 062.11 (1-24-42) (1-27-42).] (C 1, May 9, 1942.)

■ 9. APPLICATION OF SPECIAL SYMBOLS.

*	*	*	*	*	*	*
a. Army Air Forces.						
Information Center at Headquarters, 3d Pursuit Group (Interceptor)	-----					
3d Air Force	-----					
*	*	*	*	*	*	*
1. Signal Corps.						
*	*	*	*	*	*	*
7th Aircraft Warning Section, 2d Aircraft Warning Company	-----					

BASIC FIELD MANUAL

Close-in Reporting Platoon, 601st Aircraft
Warning Regiment-----

CI Rpt S 601 AW

Distant Reporting Platoon, 601st Aircraft
Warning Regiment-----

Ds Rpt S 601 AW

Filter Section, 601st Aircraft Warning Regi-
ment-----

Flt S 601 AW

Telephone and Telegraph Section, 313th Signal Company
(Aviation)-----

* * * * *

[A. G. 062.11 (1-27-42).] (C 1, May 9, 1942.)

12. LIST.

* * * * *

Clerk----- Clk

Close-in----- CL

Coast Artillery Corps----- CAC

* * * * *

Detachment----- Det

Distant----- Ds

Distant surveillance (section)----- DS (Sec)

* * * * *

Fighter----- Fi

Filter----- Fil

Filter center----- Fil Cen

Finance (Department) (officer)----- Fin (Dept) (O)

* * * * *

Infantry (brigade) (division)----- Inf (Brig) (Div)

Information----- Info

Information center----- IC

* * * * *

Radio and panel section----- R & P Sec

Radio detector equipment----- RADAR

Radio intelligence (company)----- Rad Int (Co)

* * * * *

Replacement Training Center----- RTC

Reporting----- Rpt

Reproduction----- Repro

* * * * *

[A. G. 062.11 (1-27-42).] (C 1, May 9, 1942.)

BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
Major General,
The Adjutant General.

BASIC FIELD MANUAL



CONVENTIONAL SIGNS,
MILITARY SYMBOLS, AND
ABBREVIATIONS

Prepared under direction of the
Chief of Engineers



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1941

WAR DEPARTMENT,

WASHINGTON, November 26, 1941.

FM 21-30, Basic Field Manual, Conventional Signs, Military Symbols, and Abbreviations, is published for the information and guidance of all concerned.

[A. G. 062.11 (7-7-41).]

BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

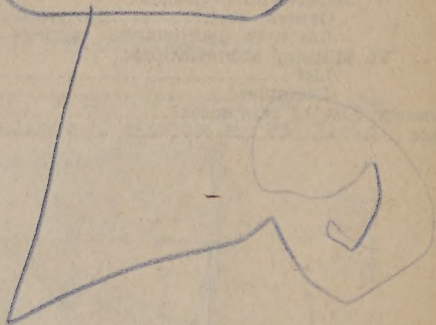
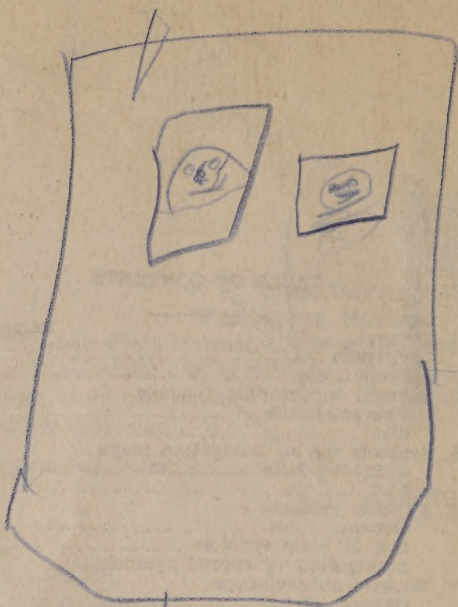
E. S. ADAMS,
Major General,
The Adjutant General.

DISTRIBUTION:

B and H (5); R (10); Bn (5), 1 (10); C (10).
(For explanation of symbols see FM 21-6.)

TABLE OF CONTENTS

SECTION I. General.	Paragraph	Page
Purpose -----	1	1
Scope -----	2	1
II. General topographic symbols.		
Characteristics -----	3	1
List -----	4	2
III. Symbols for air navigation maps.		
Characteristics -----	5	18
List -----	6	18
IV. Military symbols.		
General rules -----	7	20
List of basic symbols -----	8	22
Application of special symbols -----	9	33
V. General abbreviations.		
General use -----	10	44
Use with hydrographic symbols -----	11	45
VI. Military abbreviations.		
List -----	12	47
Examples -----	13	61
APPENDIX. List of references -----		64
INDEX -----		65



BASIC FIELD MANUAL

CONVENTIONAL SIGNS, MILITARY SYMBOLS, AND ABBREVIATIONS

This manual supersedes FM 21-30, August 1, 1939, and Training Circular No. 48, War Department, 1941.

SECTION I

GENERAL

■ 1. **PURPOSE.**—This manual is intended to supply the information required by the map reader. Persons engaged in the preparation of maps should be guided by AR 300-15, TM 5-230, and by Bulletin 788, Topographical Instructions of the United States Geological Survey.

■ 2. **SCOPE.**—This manual shows in convenient form the abbreviations and general symbols which have been authorized for military use. The general topographical symbols in section II, the symbols intended for air navigation maps only in section III, and the general abbreviations in section V have been approved by the Federal Board of Maps and Surveys and are prescribed for use on all United States maps. Symbols of a purely military nature prescribed by the War Department are given in section IV and special abbreviations authorized for military use, in section VI. Symbols other than those herein authorized may be used, provided they do not conflict with any authorized symbols and are explained in a suitable legend on the map.

SECTION II

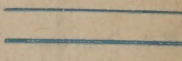
GENERAL TOPOGRAPHIC SYMBOLS

■ 3. **CHARACTERISTICS.**—*a. Size.*—In general, symbols resemble the objects which they represent. The symbols vary in size with the scale of the map. On small-scale maps, symbols are reduced to their most elementary form and do not conform to scale. As the scale is increased, the symbols assume the shape and scaled size of the object represented.

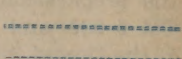
b. Color.—The symbols are shown in appropriate color for a four-color map. When less than four colors are used, the symbols shown in paragraph 4 in the colors not used will be executed in black ink.

c. *Lettering*.—VERTICAL ROMAN type indicates civil divisions, *SLANT ROMAN* type (or italic) indicates natural water features, VERTICAL GOTHIC type indicates natural land features, and *SLANT GOTHIC* type indicates works of man. Lettering, either mechanical or freehand on military maps hastily prepared, may vary considerably from these types. Likewise, marginal data as indicated in paragraph 4c will not be nearly as complete on military sketches.

■ 4. LIST.—a. *Works and structures*.

Canal, ditch, or open aqueduct----- { 

Canal, abandoned----- { 

Buried aqueduct or water pipe----- { 

Aqueduct or canal in tunnel----- 

Canal lock (point upstream)----- 

Canal lock (large scale)----- 

{ Good motor----- 

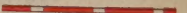
{ Poor motor or private----- 

{ On small-scale maps----- 

Routes usually traveled are further classified by red overprinting as follows:

Hard impervious surfaces----- 

or 

Roads { Other surface improvements----- 

or 



U. S. Route



State Route



(Date of road information shown in margin on tactical maps.)

Good pack trail-----

Poor pack trail or footpath-----

Railroads	{	Railroad of any kind, small-scale maps-----	{	
		Railroad single track, large-scale maps-----		
	Double track-----			
	Juxtaposition of-----			
	Narrow gage-----			
	Abandoned-----			
	Electric, passenger only-----	{		
In road or street-----				

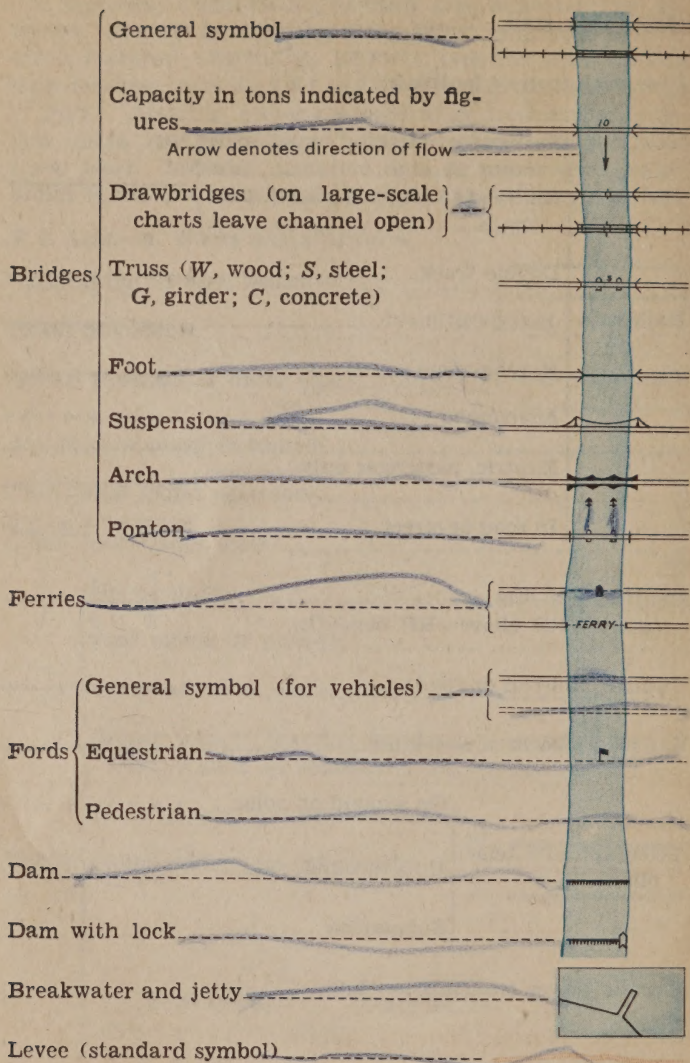
Railroad crossing-----
 (grade—RR above—RR beneath)

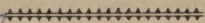
Tunnel (railroad or road)-----

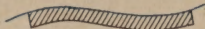
Railroad station of any kind-----

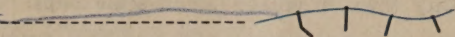
Telegraph and tele- phone lines	{	On ground or poles--	
		Underground-----	
		Submarine-----	

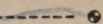
Electric power transmission line-----

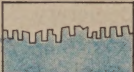


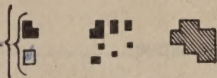
Levee (optional for War Department) 

Revetment (optional for War Department) 

Retards and dikes 

River gage 

Wharves and docks 

Buildings in general 

Ruins 

Cliff dwellings 

Church 

Church (optional symbol for nautical charts) 

Hospital 

Schoolhouse 

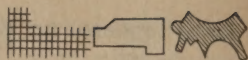
Temple, pagoda 

Windmill 

Fort 

Sample combination showing city, town,
or village 

City, town, or village (generalized) ---



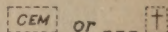
City, town, or village (small-scale maps) ---

Capital ----- ★

County seat ----- ●

Other towns ----- ○

Cemetery -----



Mine or quarry of any kind (or open cut) -----



Prospect -----



Shaft -----



Mine tunnel {

Opening ----- λ

Showing direction ----- ↘

Oil or gas wells -----



Tanks -----



Coke ovens -----



Fences { Fence of any kind (or board fence) -----

Stone ----- ○○○○○○○○○○○○○○○○○○○

Worm ----- ~~~~~~

Wire ----- *Barbed* x-x-x-x-x-x-x-x-x-x *Smooth* ○-○-○-○-○-○-○-○-○-○

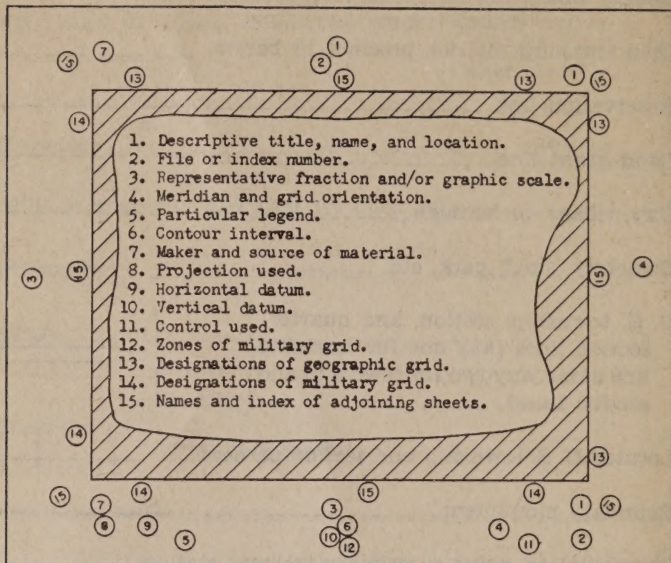
Hedge ----- ●●●●●●●●●●●●●●●●●●●●●●

b. Boundaries, marks, and monuments.

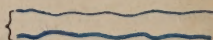
National, State, or Province line-----	
County line-----	
Civil township, district, precinct, or barrio. _____	
Reservation line-----	
Land-grant line-----	
City, village, or borough-----	
Cemetery, small park, etc-----	
U. S. township, section, and quarter- section lines (any one for township line alone, any two for township and section lines)	
Located U. S. township and section corners-----	
Boundary monument-----	
Triangulation point or primary traverse station-----	
Permanent bench mark (and elevation) -----	
Precise bench mark-----	
Intermediate bench mark (and elevation) -----	
U. S. mineral monument-----	
Observation spot (astronomic position) -----	
Any located station or object (with explanatory note) -----	

c. Marginal information.—Where practicable the following data are shown in the margins of all maps, photomaps, or aerial photographs, and usually in the places indicated by the encircled figures. On military maps, overlays, and field

sketches only the essentials of character, orientation, time, source, and scale are shown, and then not necessarily in the margins. For detailed information on aerial photographs see FM 30-21.

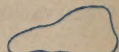


d. Drainage.

Streams in general----- { 

Intermittent streams----- { 

Probable drainage, unsurveyed----- { 

Lake or pond in general----- { 
(with or without tint, waterlining, etc.)

Salt pond (broken shore line if intermittent)----- { 

Intermittent lake or pond----- { 

Spring----- }

Wells and water tanks----- . .

Falls and rapids----- 

Glaciers { Contours (or as below) -----



Form lines showing flow-----



e. Relief (shown by contours, form lines, hachures, or shading as desired).

Contours (blue if under water)-----



Contours (approximate only)-----



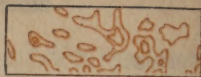
Form lines (no definite interval)-----



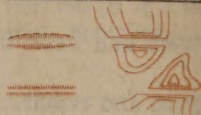
Hachures-----



Depression contours-----



Cuts-----



Fills-----

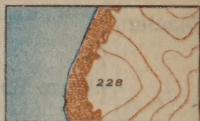


Mine dump (ore)-----

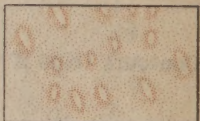
Tailings-----



Bluffs { Rocky (or use contours)-----
 { Other than rocky (or use contours)-----

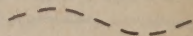


Sand and sand dunes-----

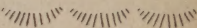


For planimetric maps:

Ridge line-----



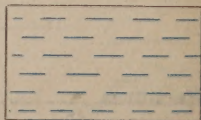
Rim rock or escarpment-----



Washes-----

*f. Land classification.*

Overflowed land-----



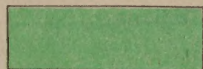
Marsh in general (interior salt marshes and coastal fresh marshes are to be indicated as such).



Cypress swamp-----



Woodland (or as shown below)-----



Woodland (or broadleaved trees)-----



Dense woods or jungle growth-----



Pine (or narrowleaved trees)-----



Palm-----



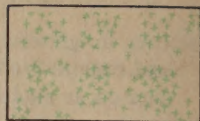
Palmetto-----



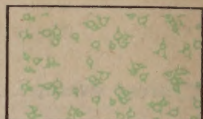
Mangrove-----



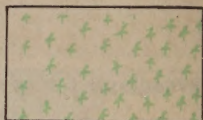
Bamboo-----



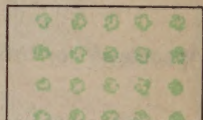
Cactus-----



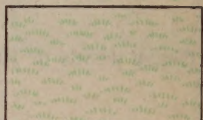
Banana-----



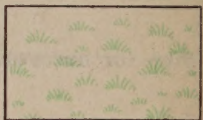
Orchard-----



Grassland in general-----



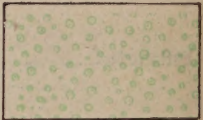
Tall tropical grass-----



Cultivated fields in general-----



Cotton-----



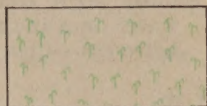
Rice-----



Sugarcane-----



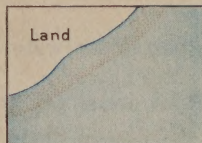
Corn-----



g. Hydrography, dangers, and obstructions.

Shore lines { Surveved-----
Unsurveved-----

In general-----



Rocky ledges-----

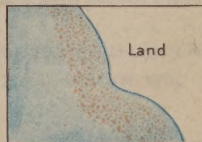


Shores (high and low
water lines and areas
between)

Coral reefs-----

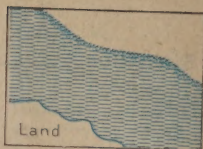


Gravel and rocks



Shores (high and low
water lines and areas
between) —Con.

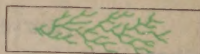
Mud-----



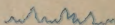
Tidal flats-----



Kelp or eel grass-----



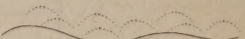
Ice limits (ice packs or barriers)-----



Rock under water----- *

Rock awash (at any stage of the tide)----- *

Breakers along shore-----



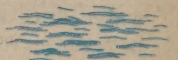
Fishing stakes-----



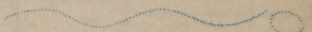
Fish weir-----



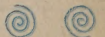
Overfalls and tide rips-----



Limiting danger line-----



Whirlpools and eddies-----



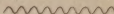
Wreck (any portion of the hull or superstructure above
low water)-----



Sunken wreck (dangerous to surface navigation)-----



Sunken wreck (not dangerous to surface navigation nor those over which the depth exceeds 10 fathoms) ----- ++

Submarine cable ----- 

Current, not tidal, velocity 2 knots ----- 

(Special usage) ----- 

Tidal currents	{	Flood, 1 1/2 knots -----	
		Ebb, 1 knot -----	
		Flood, second hour -----	
		Ebb, third hour -----	

No bottom at 50 fathoms ----- 50

Depth curves:

1-fathom or 6-foot line ----- 

2-fathom or 12-foot line ----- 

3-fathom or 18-foot line ----- 

4-fathom line ----- 

5-fathom line ----- 

6-fathom line ----- 

10-fathom line ----- 

20-fathom line ----- 

30-fathom line ----- 

40-fathom line ----- 

50-fathom line ----- 

100-fathom line ----- 

h. Aids to navigation, etc.

Life-saving station (in general) ----- 

Life-saving station (Coast Guard) ----- 

Lighthouse	-----	★
Lighthouse on small-scale chart (light sectors shown by dotted lines)	-----	•
Light vessels showing number of mast lights	-----	 
Radio station	-----	R.S.⊙
Radio direction-finder station (radio compass station)	---	R.C.⊙
Radio tower	-----	R.T.⊙
Radio beacon	-----	R.Bn.⊙
Water gage	-----	†
Beacons (sectors shown by dotted lines)	Lighted	----- ★
	Not lighted (sample of distinctive top marks)	-----      
Buoys	Buoy of any kind (or red buoy)	----- 
	Black	----- 
	Striped horizontally (in general)	----- 
	Striped horizontally (red and black)	----- 
	Striped vertically	----- 
	Checkered	----- 
	Perch and square	----- 
	Perch and ball	----- 
	Whistling (or use first six symbols with word "whistling")	----- 
	Bell (or use first six symbols with word "bell")	----- 
	Lighted	----- 

Topmarks
used with any
buoy symbols

Anchorage	{ Of any kind (or for large vessel) -----	⚓
	{ For small vessels -----	⚓
Mooring	-----	⚓
Range or bearing line	-----	
Track line	-----	
Drydock	-----	
Floating drydock	-----	
Patent slip	-----	
Leader cable	-----	=====

SECTION III

SYMBOLS FOR AIR NAVIGATION MAPS

■ 5. CHARACTERISTICS.—The conventional signs for use on air navigation maps differ from those used on topographic maps as follows:

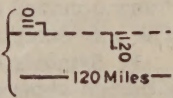
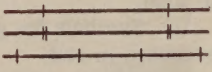
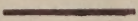
a. The features on the ground which are easily discernible from high altitudes are the ones which are emphasized on the air navigation map and the other features are subordinated or entirely omitted. In this way the aviator is provided with a map showing landmarks visible from the air, permitting him to direct his flight by these landmarks.

b. All symbols adopted are larger and more striking to the eye so that the aviator may easily read his map under difficult conditions.

■ 6. LIST.

(Symbols usually reproduced in Red)

Army, Navy, or Marine Corps field-----	
Commercial or municipal field-----	
Department of Commerce intermediate field-----	
Marked auxiliary field-----	
Airplane landing field, marked or emergency----- (where not shown in plan nor by symbol indicating characteristics)	
Mooring mast-----	
Night lighting facilities-----	LF
Seaplane base with ramp, beach, and handling facilities-----	
Anchorage with refueling and usual harbor facilities----	
Protected anchorage with limited facilities-----	

Airway light beacon	
(arrows indicate course lights)	
Auxiliary airway light beacon, flashing	
Airport light beacon with code light	
(within airport symbol)	
Airport light beacon without code light	
(within airport symbol)	
Landmark light beacon with bearing projector	
(arrow indicates fixed beam pointing to airport)	
Landmark light beacon without bearing projector	
Radio station with call letters and frequency	 or  RS (WUF 1830)
Radio direction-finder station with call letters and frequency (radio-compass station)	 RC (NDW 3010)
Radio beacon with call letters	 RBn (WRO)
Radio range beacon	 RR Bn
Air routes, optional symbols	
Railroads	
Prohibited area	
Prominent transmission line	
High explosive area	
Marked	
Unmarked	
Highway, prominent	
Highway, less prominent	

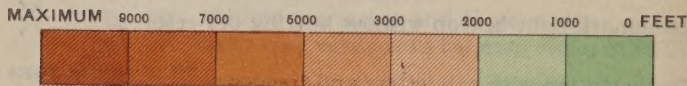
Road or trail, prominence uncertain-----

Oil well derrick----- 

Obstruction----- 
(numerals indicate height above ground in feet) 257

Prominent elevation----- 
(numerals indicate height in feet) 862

GRADIENT OF ELEVATIONS



SECTION IV

MILITARY SYMBOLS

■ 7. GENERAL RULES.—*a. Color.*—When colors are used, military symbols representing objects in territory occupied or controlled by our forces are shown in blue, and those in territory occupied or controlled by the enemy are shown in red. The only exceptions are the following:

(1) Symbols for areas to be covered by friendly fire or gas, although generally located in enemy territory, are executed in blue.

(2) Symbols for gassed areas, wherever located, are always executed in red.

b. Unit designations.—The positions of various letters, numbers, or abbreviations designating definite units with respect to the symbol representing the type of unit are as follows:

(1) Serial numbers of armies and corps are placed within the symbol for troop units when considered collectively. Army is shown by number spelled out. Corps is shown by roman numerals. Serial numbers of divisions, brigades, regiments, separate battalions, separate companies, or similar separate units are placed on the right, using arabic numerals.

When separate units are designated in this manner, the number of the unit will be followed by an abbreviated explanation showing the size of the unit thus designated.

(2) Numbers designating battalions in a regiment are shown on the left, using arabic numerals.

(3) Letters designating companies, troops, or batteries are in capitals and are shown on the left. Companies, troops, batteries or platoons (not separate), and other elements of a unit which are designated by name instead of by letter (for example, "Antitank Company" or "Headquarters and Service Troop"), are designated by the use of the proper abbreviation on the left.

(4) Abbreviations for explanatory purposes are shown on the right (see sec. VI). Abbreviations are used instead of symbols to show information that cannot be indicated by a single symbol.

(5) Calibers are shown by numbers and unit of measure, as 37-mm, 155-mm, 12-in., .50-in. and are usually placed under the symbol. Often the unit of measure is omitted.

(6) In order to clarify the use of the various symbols and to insure uniformity, the following diagrams are inserted as a guide:

Symbol indicating
size

(a) Smaller unit

Basic symbol

Superior unit

Example: 1st Battalion, 2d Infantry----- 1  2

Symbol indicating
size

(b) Company,
troop,
battery,
flight

Symbol of arm or
service

Weapon

Division,
brigade,
regiment,
separate
battalion,
separate
company.

Example: Battery E, 62d Coast Artillery, Antiair-
craft, Machine Gun-----

E  62
50

Symbol indicating
size

(c)

Army or corps

Example: Second Army-----

XXXX Second

■ 8. LIST OF BASIC SYMBOLS.—a. To indicate purpose or character of activity.

Military post or station; command post or headquarters-----

(lower end of staff terminates at location of establishment represented)



Troop unit-----

(On large-scale maps where troop units can be shown to scale, this symbol may be modified as follows so as to show area occupied by units in column or line and direction in which they are facing:



Line



Column



Airdrome-----



Airship hangar-----



Airship mooring mast-----



Airport (landing field)-----



Airport (landing field advanced)-----



Autogiro-----



Ammunition-----



Arsenal-----



Arsenal (gas generating)-----



Balloon, ascension point-----



Balloon bed-----



Balloon barrage ascension point-----

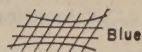


Barrage-----

Blue 155-mm How

(size indicating the extent, and notation indicating type)

Demolitions-----



Depot (supply point)-----



(Temporary depot in combat zone)-----



Debarkation or embarkation point-----

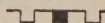


Dugout:

Isolated-----



In trench system-----

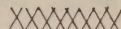


Gas-proof-----

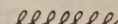
■ G-PF

Entanglement:

Wire-----



Concealed-----



Gas:

Area to be avoided-----

Red G

Area blanketed by smoke (time effective) ..

Smoke
1:00-1:40 PM

Area probably affected by gas cylinder cloud-----



Area to be gassed, nonpersistent-----

Blue G-NP

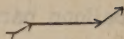
General hospital-----



Laboratory, experimental station, or proving ground-----



Leader gear-----



(An energized cable which may be provided to aid the safe pilotage of vessels through free passages in mine fields. Symbol is used on chart to show exact location.)

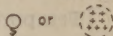
Message center-----

Msg Cen

Mines:

Individual (layout shown if practicable or area included)-----

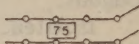
Mine field



Chemical land mine-----



Contact mines-----



(This symbol is used to indicate the actual number of mines and their locations. The arabic figures indicate the contemplated number of mines in each line.)

Controlled mines-----

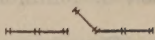


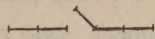
(This symbol indicates one 19-mine group, and a separate symbol is used for each group. As it appears here, the upper edge of this page is assumed to be seaward; and on charts the symbols should be correspondingly placed. The length of a mine group being 1800 feet, the symbol is drawn to scale. Its position represents the contemplated disposition of the mine group.)

Mobilization point or area (capacity in figures)-----



Net:

Torpedo net (with gate) ----- 

Antisubmarine net (with gate) ----- 

Obstacle:

Individual ----- 

Road block ----- 

Bridge out ----- 

Post:

Observation ----- 

Fixed underwater listening ----- 

Visual signal ----- 

Point, any located (suitable description) ----- 

Point, distributing:

For class I supplies -----  dp

Ammunition -----  dp

Artillery ammunition -----  dp

Small-arms ammunition -----  dp

Water -----  dp

Prisoners of war -----  PW

Procurement district, headquarters ----- 

Railway center ----- 

Railhead -----  rhd

Reception center ----- 

Replacement training center ----- 

School, commonly used-----



Found occasionally on old maps-----



SH

Sch

Supply. (See Depot.)

Ammunition, all classes-----



Ammunition, artillery-----



Ammunition, small arms-----



Class I-----



Gas and oil-----



Water-----

W

Trains (supply, motor):



Animal-drawn-----



Pack-----



Railway-----



Searchlight-----

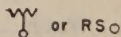


Sound locator-----

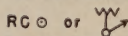


Signal:

Radio station-----



Direction-finder station (radio compass)-----



Intercept station-----



Switching central-----



Switching central (located at command post)-----



Test station or cable terminal-----



Wire on ground-----

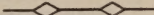


Traffic:

One-way----- 

Two-way----- 

Tank:

Barrier----- 

Trap----- 

Trench for one squad----- 

(For each additional squad add one traverse.)

Weather station----- 

b. To indicate arm or service or its activity.—These symbols are placed within the symbols shown in *a* above when appropriate, except when otherwise noted.

Air Corps----- 

Airship----- 

Balloon----- 

Balloon (motorized)----- 

Armored Force----- 

(When used with arm or service symbol, indicates mechanized unit.)

Artillery----- 

Cavalry:

Horse----- 

Horse and mechanized----- 

Mechanized----- 

Chemical Warfare Service----- 

Coast Artillery:

Antiaircraft	-----	
Harbor Defense	-----	• HD
Railway	-----	• Ry
Tractor-drawn	-----	• CA 155-mm

Engineers-----E

Infantry-----X

Motorized-----X Mtz

Parachute-----X Prcht

Medical Corps-----+

Military Police-----MP

Ordnance Department-----

Quartermaster Corps-----Q

Bakery-----Class I supplies-----Gasoline and oil only-----

Remount Service-----U

Signal Corps-----S

Signal Corps (aviation)-----

Tank Destroyer-----TD

Transportation Service-----

Veterinary Corps-----V

c. To indicate size of unit.—These symbols are placed above the symbols shown in *a* above, or are used for indicating boundaries as shown in *d* below.

Squad-----	.
Section-----	..
Platoon-----	...
Company, troop, battery, or Air Corps flight-----	I
Battalion, cavalry squadron, or Air Corps squadron--	II
Regiment or group-----	III
Brigade or Air Corps wing-----	X
Division or air force-----	XX
Corps-----	XXX
Army-----	XXXX
Corps area, department, or section of communica- tions zone-----	ooo
Communications zone-----	oooo
General Headquarters-----	GHQ
Air Force Combat Command-----	 CC
Soldier-----	o
Automatic rifleman-----	•
Assistant leader, or second in command-----	•
Leader-----	●
Squad leader-----	•

d. To indicate boundaries and lines.

Bombardment aviation, light (limit of ra-
dius of action)-----  bomb (L)-----

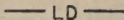
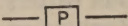
GHQ reconnaissance aviation (limit of zone
of reconnaissance)-----  rcn-----

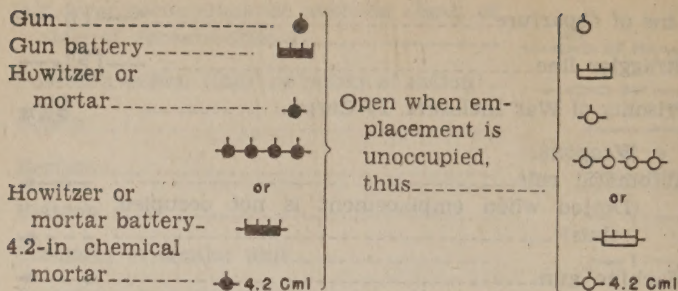
Observation aviation (limit of zone of recon-
naissance) :

Rear limit, army aviation-----  obsn-----

Rear limit, corps aviation-----  obsn-----

Air force reconnaissance aviation (limit of zone of reconnaissance)-----	 AF ren-----
Pursuit aviation (limit of radius of action)-----	 pur-----
Squad-----	----- . -----
Section-----	----- . . -----
Platoon-----	----- . . . -----
Company or similar unit-----	----- -----
Battalion or similar unit-----	----- -----
Regiment or similar unit-----	----- -----
Brigade-----	----- x -----
Division-----	----- xx -----
Corps-----	----- xxx -----
Army-----	----- xxxx -----
Corps area, department, or section of communications zone-----	----- ooo -----
Communications zone-----	----- oooo -----
Rear boundary of theater of operations-----	----- GHQ -----
Front line-----	----- / / / / / -----
Limit of wheeled traffic by day-----	----- DY -----
Limit of wheeled traffic by night-----	----- NT -----
Line beyond which lights on vehicles are prohibited-----	----- LT -----
Outpost line-----	----- OPL -----
Main line of resistance-----	----- MLR -----
Regimental reserve line-----	----- RRL -----
Limiting point-----	----- ⊗ -----
Line of communication-----	----- LC -----

Line of departure-----	
Straggler line-----	
Prisoner of War Inclosure, IV Corps-----	
<i>e. Weapons.</i>	
Automatic rifle-----	
(Dotted when emplacement is not occupied, thus) -----	
Machine gun-----	
(Arrow points in principal direction of fire. When used alone it indicates machine gun, water-cooled, cal. .30.)	
(Machine-gun symbol under symbol of unit of any arm indicates machine-gun unit of that arm.)	
Antiaircraft -----	
Antitank gun (specify caliber)-----	
Antitank gun in position, showing principal di- rection of fire (indicate caliber by numeral) --	
Antitank gun emplacement with principal di- rection of fire-----	
Caliber .50 -----	
Light -----	
Machine gun (single gun) -----	
(Arrows indicate sectors of fire; shaded portion shows danger space when fire is placed on final protective line.)	
Machine-gun section (two guns) -----	



Livens projector.....

Mines, chemical land (individual).....

f. Special symbols for use in hasty sketches and on operations maps.

Area occupied by a unit (2d Battalion, 3d Field Artillery).....

Area occupied by corps troops (III Corps).....

Brush.....

Cultivated land.....

Stream.....

Woods.....

g. Roads.—Suggested road classification is shown below. This classification will not apply in all cases. When additional types are indicated suitable identification should be made by improvised notation or legend.

Hard surface.....

Graded and improved.....

Graded, not improved.....

Poor road-----
Trail-----

■ 9. APPLICATION OF SPECIAL SYMBOLS.—The following examples show the use of special symbols as applied to various military organizations and activities. These examples are intended to illustrate the method of combining basic symbols and abbreviations in order to show the desired information. These are only a few of the possible combinations. Many are more complete than necessary. Often the number of a unit, to those familiar with it, will indicate its activity.

a. Air Corps.

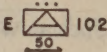
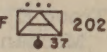
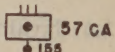
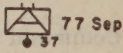
3d Air Force-----	 3 AF
701st Air Base Group-----	 701 AB
901st Transport Squadron-----	 901 T
7th Observation Squadron-----	 7 Obsn
88th Reconnaissance Squadron-----	 88 Rcn
101st Balloon Squadron-----	 101
1st Staff Squadron-----	 1 Stf
301st Balloon Group-----	 301
701st Bombardment Wing (Light)-----	 701 Bomb (L)
532d Pursuit Group (Interceptor)-----	 532 Pur (I)
Second Army Aviation-----	 Second
203d School Squadron-----	 203 Sch

b. Armored Force.

Headquarters Company, 1st Armored Division-----	Hq  1 Div
Military Police Platoon, Headquarters Company, 1st Armored Division----	MP  1 Div

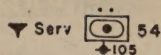
Transportation Platoon, Headquarters Company, 1st Armored Division-----	THq  1 Div
1st Reconnaissance Battalion-----	 1 Rcn
Rifle Company, 1st Reconnaissance Battalion-----	D  1 Rcn
Weapons Platoon, 1st Reconnaissance Bat- talion-----	Wpn D  1 Rcn
Motorcycle Platoon, 1st Reconnaissance Battalion-----	Mtcl A  1 Rcn
Armored Company (Light), 1st Reconnaissance Battalion-----	C  1 Rcn
1st Armored Brigade-----	 1
Communication Platoon, Headquarters Company, 1st Armored Brigade-----	Com Hq  1 Brig
Headquarters Company, 1st Armored Regiment (Light)-----	Hq  1 (L)
Maintenance Platoon, Service Company, 1st Armored Regiment (Light)-----	Maint Serv  1 (L)
Reconnaissance Company, 1st Armored Regiment (Light)-----	Rcn  1 (L)
Machine Gun Company, 1st Armored Regiment (Light)-----	 1 (L)
Company A, 1st Armored Regiment (Light) _	A  1 (L)
69th Armored Regiment (Medium)-----	 69 (M)
70th Tank Battalion, GHQ Reserve-----	 70 (M) GHQ
<i>c. Cavalry.</i>	
Light Machine-gun Platoon, Troop A, 2d Cavalry-----	A  2
Scout Car Platoon, 2d Cavalry-----	Sct C  2
1st Platoon, Troop E, 8th Cavalry-----	1 E  8

1st Platoon, Special Weapons Troop, 14th Cavalry -----	I Sp Wpn  14
1st Platoon, Antitank Troop, 1st Cavalry Division -----	I AT  I Div
Mortar Platoon, Weapon Troop, 2d Cavalry Brigade -----	Wpn  2 Brig
1st Platoon, Troop A, 4th Cavalry (Horse and Mechanized) -----	I A  4
2d Platoon, Troop G (Motorcycle) 4th Cavalry (Horse and Mechanized) -----	2 G  4
Headquarters Troop, 3d Cavalry Brigade -----	Hq  3 Brig
Troop A (Scout Car), 1st Reconnaissance Squadron -----	A  I Rcn
Special Weapons Troop, 3d Cavalry -----	Sp Wpn  3
Troop E (Scout Car) 6th Cavalry (Horse and Mechanized) -----	E  6
Reconnaissance Troop (Mechanized) 9th Division -----	Rcn  9 Div
1st Reconnaissance Squadron -----	 I Rcn
1st Cavalry Division -----	 I
Command Post, 5th Cavalry -----	 5
Observation Post, 9th Cavalry -----	 9
Park, mechanized units of horse cavalry regiment -----	 Prk
Park, Motor Transportation, 3d Cavalry -----	 3
<i>d. Chemical Warfare Service.</i>	
2d Platoon, 1st Chemical Company, Service Aviation -----	2  I Serv Avn

10th Chemical Company, Maintenance-----	 10 Maint
Company B, 2d Separate Chemical Battalion-----	B  2 Bn (Sep)
3d Battalion, 901st Chemical Regiment-----	3  901
Chemical Warfare Service Distributing Point, IV Corps-----	 IV
Chemical Warfare Service Depot, First Army-----	 First
<i>e. Coast Artillery Corps.</i>	
55th Balloon Barrage Battalion-----	 55 Bar
Searchlight Platoon, Battery A, 104th Coast Artillery-----	A  104
Machine-gun Platoon, Battery E, 102d Coast Artillery-----	E  102
37-mm Platoon, Battery F, 202d Coast Artillery-----	F  202
2d Battalion, 2d Coast Artillery, Harbor Defense-----	2  2 HD
912 Coast Artillery (Railway)-----	 912 Ry
57th Coast Artillery (155-mm gun)-----	 57 CA
77th Separate Coast Artillery Battalion (Antiaircraft, 37-mm)-----	 77 Sep
4th Battalion, 241st Coast Artillery, Harbor Defense, Type C-----	4  241 HD (C)
Command Post, Battery E, 248th Coast Artillery, Harbor Defense, Type B---	E  248 HD (B)
<i>f. Corps of Engineers.</i>	
Company A, 2d Engineers (combat)---	A  2
12th Engineer Battalion (Triangular Division)-----	 12

8th Engineer Squadron (Cavalry Division) -----	 8
302d Engineer Battalion (Separate) --	 302 (Sep)
301st Engineer Battalion (General Service) -----	 301 Gen Serv
905th Engineer Battalion (Heavy Ponton, Motorized) -----	 905 Hv Pon Mtr
2d Platoon, 70th Engineers (Light Ponton, Motorized GHQ Reserve) -----	2  70 L Pon GHQ
Engineer Depot No. 2, First Army -----	xxxx 2  First
Engineer Park, II Corps -----	xxx Prk  II
Bridge Company, 16th Engineer Battalion -----	Br  16
2d Platoon, 391st Engineer Company (Depot) -----	2  391 Dep
Service Platoon, Company C, 801st Engineers (Water Supply) -----	3C  801 W Sup
2d Platoon, Company B, 28th Engineers (Aviation) -----	2B  28 Avn
Factory Platoon, Shop Company, 84th Engineers (Camouflage) -----	2B  84 Com
<i>g. Field Artillery.</i>	
Symbol may also be used to show artillery position area -----	
Battery F, 2d Field Artillery -----	F  2
Ammunition Train, 2d Battalion, 3d Field Artillery (Horse) -----	Am Tn 2  3 H
Headquarters Battery, 2d Battalion, 4th Field Artillery (Pack) -----	Hq 2  4 Ph

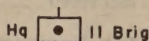
Gasoline Section, Service Battery, 54th
Field Artillery Regiment (105-mm
Howitzer, Armored)-----



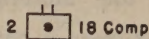
1st Battalion, 8th Field Artillery-----



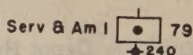
Headquarters and Headquarters Bat-
tery, 11th Field Artillery Brigade-----



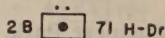
2d Battalion, 18th Field Artillery (Com-
posite)-----



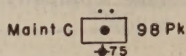
Service and Ammunition Battery, 1st
Battalion, 79th Field Artillery (240-mm
Howitzer, Motorized)-----



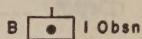
2d Section, Battery B, 71st Field Artillery
Battalion, Horse-drawn-----



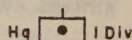
Maintenance Section, Battery C, 98th
Field Artillery Battalion (75-mm How-
itzer, Pack)-----



Battery B, 1st Field Artillery Observa-
tion Battalion-----



Headquarters Battery, 1st Division Ar-
tillery (Triangular)-----

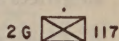


Tank Destroyer Battalion-----



h. Infantry.

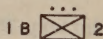
One squad, 2d Platoon, Company G,
117th Infantry-----



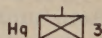
2d Heavy Machine-gun Section, Com-
pany D, 2d Infantry-----



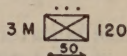
1st Platoon Company B, 2d Infantry----



Headquarters Company, 3d Infantry----



3d Machine-gun Platoon, Caliber .50,
Company M, 120th Infantry-----



1st Antitank Squad (Antitank Company), 1st Infantry-----	1 AT 
Command Post, 2d Battalion, 323d Infantry-----	2  323
Automatic Rifle Squad, 2d Platoon, Company A, 1st Infantry-----	2 A 
Intelligence Platoon, Headquarters Company, 22d Infantry-----	Int Hq  22
1st Light Machine-gun Squad, Company F, 309th Infantry-----	1 F  309
Mortar Section, Company C, 18th Infantry-----	C  18
Service Platoon, Headquarters Company, 105th Antitank Battalion-----	Serv Hq  105 AT
Weapons Platoon, Company E, 6th Infantry (Armored)-----	Wpn E  6
3d Platoon, 205th Military Police Company-----	3  205
501st Infantry Battalion (Parachute)---	 501 (Prcht)
8th Infantry (Motorized)-----	 8 Mtr
1st Infantry Train-----	 1
Kitchen Train, 2d Battalion, 3d Infantry---	Ki 2  3
Observation Post, 81-mm Mortar Platoon, Company D, 30th Infantry-----	4 D  30
Medical Detachment, 5th Infantry-----	Det  5 Inf
1st Battalion Section, Medical Detachment, 175th Infantry-----	1 Bn  175 Inf
<i>i. Medical Department.</i>	
Veterinary troops-----	

Headquarters and Service Company, 1st Medical Regiment-----	H & S  1
Clearing Company D, 8th Medical Battalion-----	D  8
1st Platoon, Company E (Ambulance), 105th Medical Regiment-----	1 E  105
Station Platoon, Company G (Clearing), 105th Medical Regiment-----	1 G  105
3d Platoon, Collecting Company, 47th Medical Battalion Armored-----	3 A  47
Clearing Platoon, Veterinary Troop, 1st Medical Squadron-----	3 Vet  1
First Army Medical Depot-----	xxxxx  First
Battalion Aid Station, 1st Battalion, 4th Infantry-----	1  4 Inf
Ambulance Loading Post-----	 ALP
Collecting Station, 1st Division-----	xx  1 Coll
11th Evacuation Hospital-----	xxxxx  11 Evac
Clearing Station, I Corps-----	xxx  I Clr
Hospital Train-----	
Veterinary Clearing Station, First Army-----	xxxxx  First Clr
5th Platoon, 12th Veterinary Company-----	5  12
901st Veterinary Evacuation Hospital-----	GHQ  901 Evac
j. Ordnance. 1st Ordnance Company, Medium Maintenance-----	 1 M Maint

2d Ordnance Company, Heavy Maintenance (Army) -----	 2 Hv Maint
3d Ordnance Company, Heavy Maintenance (Tank) -----	 3 Hv Maint (Tk)
Service Section, 28th Ordnance Company (Medium Maintenance) -----	Serv  28 M Maint
Magazine Platoon, 51st Ordnance Company (Ammunition) -----	I  51 Am
3d Platoon, 95th Ordnance Company, Maintenance Railway Artillery -----	3  95 Maint (Ry)
Company B, 19th Ordnance Battalion (Armored) -----	B  19
Headquarters and Supply Section, 105th Ordnance Company (Medium Maintenance) -----	H & S  105 M Maint
Service Platoon, 73d Ordnance Company (Depot) -----	Serv  73 Dep
462d Ordnance Company (Aviation, Bombardment) -----	 462 Avn (Bomb)
694th Ordnance Company (Aviation, Pursuit) -----	 694 Avn Pur
721st Ordnance Company (Aviation Air Base) -----	 721 Avn AB
<i>k. Quartermaster Corps.</i>	
Light Maintenance and Car Battalion, 119th Quartermaster Regiment -----	3  119
Company C, Truck Battalion, 105th Quartermaster Regiment -----	C  105
Company A (Truck), 13th Quartermaster Battalion (Armored) -----	A  13
Shop Headquarters and Supply Platoon, Company C, 56th Quartermaster Regiment (Heavy Maintenance) -----	C  56 Hv Maint

2d Platoon, Company K, 48th Quartermaster Regiment (Truck)-----	2 K  48 Trk
Pack Troop, 16th Quartermaster Squadrons, 1st Cavalry Division-----	E Pk  16
681st Quartermaster Battalion (Sterilization and Bath)-----	 681 (S A B)
Service Platoon, Company A, 203d Battalion (Gasoline Supply)-----	Serv A  203 Gas
Company D, 94th Quartermaster Battalion (Bakery)-----	D  94 Bkry
Transportation Platoon, 252d Quartermaster Company (Air Base)-----	T  252 AB
Second Army Quartermaster Depot No. 1 (Gasoline and Oil)-----	 ^{xxxx} Second
Third Army Quartermaster Depot No. 2 (Motor Transport)-----	2  ^{xxxx} Third MT
Railhead for Class I Supply, 2d Division-----	 2 Rhd
III Corps Quartermaster Park-----	Prk  III
Truckhead Class I Supply, 2d Division-----	 2 Trk hd
<i>1. Signal Corps.</i>	
59th Signal Maintenance Company (Aviation)-----	 59 Maint
Intercept Section Headquarters Platoon, 3d Radio Intelligence Company-----	Hq  3 Rad Int ↑
1st Signal Company, Photographic-----	 1 Photo
Operating Platoon, 1st Signal Troop, 1st Cavalry Division-----	Opn  1
Headquarters Platoon, 701st Pigeon Company-----	Hq  701 Pgn

Operation Company, 62d Signal Battalion-----	Opn  62
Construction Platoon, 30th Signal Company-----	Cons  30
7th Aircraft Warning Section, 2d Aircraft Warning Company-----	7  2 AW
Telephone and Telegraph Section, 313th Signal Company (Aviation)---	Tp & Tg  313 Avn
1st Signal Platoon (Air Base)-----	 1 AB
Point on axis of signal communication, 1st Division-----	 1
Point on axis of signal communication, 1st Armored Division-----	 1
5th Signal Battalion, Construction-----	 5 Cons
317th Signal Company, Air Wing-----	 317 Wg
Signal Company, Operation (Radio), 59th Signal Battalion, Armored Corps-----	Opn (Rad)  59
Signal Company, Operation (Wire), 59th Signal Battalion, Armored Corps-----	Opn (Wire)  59
1st Signal Company, Depot-----	 1 Dep
2d Signal Company, Repair-----	 2 Rep
1st Signal Company, Construction, Separate-----	 1 Cons Sep
21st Signal Company, Operation, Separate-----	 21 Opn Sep
3d Radio Intelligence Company-----	 3 Rad Int
Position-finding Section 1st Platoon, 3d Radio Intelligence Company-----	1  3 Rad Int

SECTION V

GENERAL ABBREVIATIONS

■ 10. GENERAL USE.—The abbreviations listed below are prescribed for use on all United States maps:

A	Arch or arroyo
abut	Abutment
b	Brick
BS	Blacksmith shop
bot	Bottom
Br	Branch
br	Bridge
C	Cape
cem	Cemetery
con	Concrete
cov	Covered
Cr	Creek
cul	Culvert
DS	Drug store
E	East
Est	Estuary
f	Fordable
Ft	Fort
GS	General store
gir	Girder
GM	Grist mill
i	Iron
I	Island
Jc	Junction
kp	King-post
L	Lake
Lat	Latitude
Ldg	Landing
LSS	Life-saving station
LH	Lighthouse
Long	Longitude
Mt	Mountain
Mts	Mountains
N	North
nf	Not fordable
p	Pier
pk	Plank

PO	Post office
Pt	Point
qp	Queen-post
R	River
RH	Roundhouse
RR	Railroad
2d	Second
S	South
s	Steel
SH	Schoolhouse
SM	Sawmill
Sta	Station
St	Stone
str	Stream
TG	Tollgate
3d	Third
Tres	Trestle
tr	Truss
WT	Water tank
WW	Waterworks
W	West
w	Wood

■ 11. USE WITH HYDROGRAPHIC SYMBOLS.—*a. General.*

Bn	Beacon
RK	Rock
Wk	Wreck
LMP	Levee mile post
LS	Levee station
TH	Towhead
NRS	Naval radio station
NRC	Naval radio direction-finder (radio compass station)
PD	Position doubtful
PA	Position approximate
ED	Existence doubtful

b. Relating to lights.

F	Fixed
Fl	Flashing
Occ	Occulting
Alt	Alternating

Gp-----	Group
R-----	Red
W-----	White
G-----	Green
B-----	Blue
Sec-----	Sector
(U)-----	Unwatched
ev-----	Every
m-----	Miles
min-----	Minutes
sec-----	Seconds
vis-----	Visible

c. Relating to buoys.

C-----	Can
N-----	Nun
S-----	Spar
HS-----	Horizontal stripes
B-----	Black
R-----	Red
W-----	White
VS-----	Vertical stripes
G-----	Green
Y-----	Yellow
Ch-----	Checkered

d. Relating to fog signals.

FB-----	Fog bell
FD-----	Fog diaphone
FG-----	Fog gun
FH-----	Fog horn
FS-----	Fog siren
FT-----	Fog trumpet
FW-----	Fog whistle
SB-----	Submarine fog bell

e. Relating to bottoms.

Cl-----	Clay
Co-----	Coral
G-----	Gravel
M-----	Mud
Oz-----	Ooze
P-----	Pebbles
S-----	Sand

<i>Sh</i> _____	Shells
<i>SP</i> _____	Specks
<i>St</i> _____	Stones
<i>brk</i> _____	Broken
<i>Cal</i> _____	Calcareous
<i>crs</i> _____	Coarse
<i>dec</i> _____	Decayed
<i>dk</i> _____	Dark
<i>fly</i> _____	Flinty
<i>fne</i> _____	Fine
<i>grd</i> _____	Ground
<i>gty</i> _____	Gritty
<i>hrd</i> _____	Hard
<i>lrg</i> _____	Large
<i>lt</i> _____	Light
<i>rky</i> _____	Rocky
<i>rot</i> _____	Rotten
<i>sft</i> _____	Soft
<i>sml</i> _____	Small
<i>spk</i> _____	Speckled
<i>stf</i> _____	Stiff
<i>str</i> _____	Streaky
<i>vol</i> _____	Volcanic
<i>bk</i> _____	Black
<i>br</i> _____	Brown
<i>bu</i> _____	Blue
<i>gn</i> _____	Green
<i>gy</i> _____	Gray
<i>rd</i> _____	Red
<i>wh</i> _____	White
<i>yl</i> _____	Yellow
<i>stk</i> _____	Sticky

SECTION VI

MILITARY ABBREVIATIONS

■ 12. LIST.—The abbreviations listed below are authorized for use in combat orders, messages, records, and reports in the field. With few exceptions all are written without spacing and periods. Dates, when abbreviated, are written thus: 1 Jan 24. Usually a single word is represented by a single capital letter, or by a capital and lower case.

Acting.....	Actg
Adjutant General.....	AG
Adjutant's (section).....	Adj (Sec)
Adjutant (1st staff section, brigades and lower units).....	S-1
Adjutant General's Department.....	AGD
Administrative (orders).....	Adm (O)
Advance.....	Adv
Advance guard.....	Adv Gd
Advance Message Center.....	Adv Msg Cen
Afternoon (i. e., from 12:00 noon to 12:00 midnight).....	PM
Aide-de-camp.....	ADC
Air base.....	AB
Air Corps.....	AC
Aircraft warning service.....	AWS
Air Defense Command.....	AD Comd
Airdrome.....	Adrm
Air District.....	A Dist
Air Force.....	AF
Air Force Combat Command.....	AFCC
Air Intelligence (section) (officer).....	A Int (Sec) (O)
Airplane.....	AP
Airship.....	Ash
Ambulance (company) (company, motor) (section).....	Amb (Co) (CoM) (Sec)
Ambulance loading post.....	ALP
American Expeditionary Forces.....	AEF
Ammunition (company) (distribu- tion point) (train).....	Am (Co) (DP) (Tn)
Animal (animal-drawn).....	Anl-d
Antiaircraft.....	AA
Antiaircraft Artillery.....	AAA
Antiaircraft Artillery Intelligence Service.....	AAAIS
Antiaircraft Intelligence Service.....	AAIS
Antimechanized.....	AMecz
Antitank.....	AT
Appendix.....	App
April.....	Apr
Armorer.....	Armr
Artificer.....	Artif

Armored (car)	Armd-C
Armored Force	Armd F
Army Air Forces	AAF
Army Engineer Service	A Engr Serv
Army headquarters	AHQ
Army medical (laboratory) (service) ..	A Med (Lab) (Serv)
Army Post Office	APO
Army Regulations	AR
Artillery (brigade) (horse) (liaison officer)	Arty (Brig) (H) (Ln O)
Artillery Information Service	AIS
Assistant	Asst
Assistant chief of staff	AC of S
Assistant chief of staff for personnel ..	G-1
Assistant chief of staff for military in- telligence	G-2
Assistant chief of staff for operations and training	G-3
Assistant chief of staff for supply	G-4
Attached	Atchd
Attack	Atk
Auxiliary	Aux
August	Aug
Automatic	Auto
Aviation	Avn
Axis or axes of signal communication ..	Ax Sig Com
Baggage	Bag
Bakery (battalion) (company)	Bkry (Bn) (Co)
Balloon (group) (squadron) (wing) ..	Bln (Gp) (Sq) (Wg)
Barrage balloon (battalion)	Bar Bln (Bn)
Basic	Bsc
Battalion (combat train) (comman- der)	Bn (C Tn) (Comdr)
Battalion adjutant	S-1
Battalion intelligence officer	S-2
Battalion plans and training officer ..	S-3
Battalion supply officer	S-4
Battery (commander)	Btry (Comdr)
Battle reconnaissance	B Rcn
Bench mark	BM
Bicycle	Bcl

Blacksmith.....	Blksm
Bombardment (squadron) (group) (wing) (light) (medium) (heavy).....	Bomb (Sq) (Gp) (Wg) (L) (M) (H)
Bomb service truck.....	BSTrk
Boundary.....	Bd
Bridge train (heavy) (light).....	Br Tn (Hv) (L)
Brigade (commander).....	Brig (Comdr)
Brigade adjutant.....	S-1
Brigade intelligence officer.....	S-2
Brigade plans and training officer.....	S-3
Brigade supply officer.....	S-4
Brigade headquarters.....	BHQ
Brigadier general.....	Brig Gen
Browning automatic rifle.....	BAR
Bugler.....	Bglr
Caliber.....	cal
Camouflage (battalion) (company).....	Cam (Bn) (Co)
Captain.....	Capt
Carpenter.....	Cptr
Carrier.....	Carr
Cavalry (brigade) (division).....	Cav (Brig) (Div)
Cavalry division headquarters.....	CavDHQ
Cemetery.....	Cem
Center.....	Cen
Centimeter.....	cm
Chaplain (section).....	Ch (Sec)
Chauffeur.....	Cfr
Chemical (ammunition train) (battalion) (company) (officer) (regiment) (section).....	Cml (AmTn) (Bn) (Co) (O) (Regt) (Sec)
Chemical agent, nonpersistent.....	G-NP
Chemical agent, persistent.....	G-P
Chemical mortar, 4.2-inch.....	4.2 Cml Mort
Chemical Warfare Service.....	CWS
Chief of artillery.....	C of A
Chief of aviation.....	C of Avn
Chief Signal Officer.....	C Sig O
Chief of Staff.....	C of S
Circular.....	Cir
Class.....	Cl
Class I supplies.....	Cl I Sup

Clearing (company)	Clr (Co)
Clerk	Clk
Coast Artillery Corps	CAC
Coast defense	CD
Coastal frontier	CF
Collecting (company) (point) (station)	Coll (Co) (Pt) (Sta)
Colonel	Col
Column	Clm
Combat (car) (zone)	C (Car) (Z)
Command (car)	Comd (Car)
Commandant	Comdt
Commander	Comdr
Commander in Chief	C in C
Commanding	Comdg
Commanding general	CG
Commanding officer	CO
Command post	CP
Command post exercise	CPX
Commercial	Coml
Commissary	Comm
Communication (officer) (squadron) (platoon) (section)	Com (O) (Sq) (Plat) (Sec)
Communications zone	Com Z
Company (commander) (headquarters)	Co (Comdr) (Hq)
Contact party	Con Py
Construction (company) (platoon) (section)	Cons (Co) (Plat) (Sec)
Continuous wave	CW
Convalescent (hospital)	Conv (Hosp)
Cook	Ck
Corporal	Cpl
Corps headquarters	CHQ
Corps of Engineers	CE
Crossroads	CR
Cylinder	Cyl
December	Dec
Decontamination	Decon
Dental Corps	DC

Department.....	Dept
Depot (battalion).....	Dep (Bn)
Deputy chief of staff.....	DC of S
Detachment.....	Det
Distant surveillance (section).....	DS (Sec)
Distributing point.....	DP
Division.....	Div
Division (adjutant) (aviation) (com- mander) (engineer).	Div (Adj) (Avn) (Comdr) (Engr)
Division headquarters.....	DHQ
Division (headquarters commandant and provost marshal).....	Div (Hq Comdt & PM)
Division (judge advocate) (munitions officer).....	Div (JA) (Mun O)
Division ordnance officer.....	Div OO
Division (quartermaster) (signal of- ficer) (surgeon).	Div (QM) (Sig O) (Surg)
Draftsman.....	Drftm
Drawn.....	Dr
Dump (truck).....	Dp (Trk)
East.....	E
Echelon.....	Ech
Electrician.....	Electn
Element.....	Elm
Eliminate.....	Elim
Embarkation.....	Emb
Engineer (battalion) (company) (of- ficer) (train).	Engr (Bn) (Co) (O) (Tn)
Engineers (combat) (general service) ..	Engrs (C) (Gen Serv)
Enlisted men.....	EM
Entrucking point.....	EP
Evacuation (hospital).....	Evac (Hosp)
Exclusive.....	Excl
Executive (officer).....	Ex (O)
February.....	Feb
Feet or foot.....	ft
Field Artillery (brigade).....	FA (Brig)
Field laboratory.....	F Lab

Field manual.....	FM
Field orders.....	FO
Field (remount depot).....	F (Rmt Dep)
Field Train.....	F Tn
Fighter.....	Fi
Finance (Department) (officer).....	Fin (Dept) (O)
First lieutenant.....	1st Lt
Fixed.....	Fxd
Flash ranging.....	FR
Flight (commander).....	Flt (Comdr)
Film strip.....	FS
Forward echelon.....	Fwd Ech
Garage.....	Gar
Gas noncommissioned officer.....	Gas NCO
Gas officer.....	Gas O
Gasproof dugout or building.....	G-PF
General (hospital) (service).....	Gen (Hosp) (Serv)
General Headquarters.....	GHQ
General service.....	Gen Serv
General Staff (Corps).....	GS (C)
First section.....	G-1
Second section.....	G-2
Third section.....	G-3
Fourth section.....	G-4
General Headquarters Air Force.....	GHQ AF
Geological (survey).....	Geol (Surv)
Graves registration (battalion) (com- pany).....	Gr Reg (Bn) (Co)
Group.....	Gp
Groupment.....	Gpmt
Guard.....	Gd
Gun.....	G
Gunner.....	Gnr
Harbor defense.....	HD
Headquarters (battery) (company) (troop) (platoon) (section).	Hq (Bty) (Co) (Tr) (Plat) (Sec)
Headquarters and headquarters (bat- tery) (company) (troop).	Hq & Hq (Btry) (Co) (Tr)
Headquarters commandant.....	Hq Comdt

Headquarters and service (battery) (company) (troop).	Hq & Serv (Btry) (Co) (Tr) or H & S (Btry) (Co) (Tr)
Heavy (ponton)-----	Hv (Pon)
Heavy weapons (company) (section)-----	Hv Wpn (Co) (Sec)
High explosive-----	HE
Highway-----	Hwy
Holding and reconsignment point-----	H & RP
Horse-----	H
Horse-drawn-----	H-Dr
Horse and mechanized-----	H & Mecz
Hospital (company) (train)-----	Hosp (Co) (Tn)
Howitzer-----	How
Impregnating-----	Impreg
Inch-----	in
Inclosure-----	Incls
Inclusive-----	incl
Infantry (brigade) (division)-----	Inf (Brig) (Div)
Information center-----	IC
Initial point-----	IP
Inspector-----	Insp
Inspector general-----	IG
Inspector General's Department-----	IGD
Instrument-----	Instr
Intelligence (platoon) (section)-----	Int (Plat) (Sec)
Intelligence officer-----	S-2 or Int O
Interceptor-----	I
January-----	Jan
Judge advocates' (section)-----	JA (Sec)
Judge Advocate General's Department-----	JAGD
Kitchen-----	Ki
Labor (detachment) (battalion)-----	Lbr (Det) (Bn)
Laboratory-----	Lab
Land mine-----	LM
Laundry-----	Ldry
Liaison (officer)-----	Ln (O)
Lieutenant (colonel) (general)-----	Lt (Col) (Gen)
Light (machine gun) (tank) (pont- ton)-----	L (MG) (Tk) (Pon)

Lights	Lgts
Line of departure	LD
Line of communication	LC
Lineman	Lmn
Livens projector	LP
Machine-gun (company) (troop) (officer)	MG (Co) (Tr) (O)
Machinist	Machst
Main line of resistance	MLR
Main supply road	MSR
Maintenance (section)	Maint (Sec)
Maintenance of equipment	Maint of E
Maintenance party	Maint Py
Maintenance of way	Maint of W
Maintenance and supply	M & S
Major (General)	Maj (Gen)
March	Mar
Master	Mr
Material	Mat
Mechanic	Mech
Mechanized	Mecz
Medical (regiment) (supply depot)	Med (Regt) (Sup Dep)
Medical Corps	MC
Medical Department	MD
Medium (tank) (pontoon)	M (Tk) (Pon)
Message (center)	Msg (Cen)
Message dropping and pick-up ground	Msg DPU
Messenger (section)	Msgr (Sec)
Meteorological (company) (officer) (section)	Met (Co) (O) (Sec)
Mile	mi
Miles per hour	mph
Military intelligence	MI
Military police (battalion) (company)	MP (Bn) (Co)
Millimeter	mm
Mobilization Regulations	MR
Mobilization Training Program	MTP
Mobile	Mbl
Months	mos
Morning (i. e., from 12:00 midnight to 12:00 noon)	AM

Mortar_____	Mort
Motor Transport (Service)_____	MT (S)
Motor_____	Mtr
Motor-tricycle_____	Mtrcl
Motorcycle_____	Mtrcl
Motorized_____	Mtz
Mounted_____	Mtd
Munitions (officer)_____	Mun(O)
Navigation (officer)_____	Nav (O)
Net control station_____	NCS
Night_____	Nt
Noncommissioned officer_____	NCO
North_____	N
November_____	Nov
Number_____	No
Observation (battalion) (flash) (group) (squadron)._____	Obsn (Bn) (Fl) (Gp) (Sq)
Observer_____	Obsr
Observation post_____	OP
October_____	Oct
Officer, order, or orders_____	O
Operation_____	Opn
Operator_____	Opr
Orderly_____	Odly
Ordnance_____	Ord
Ordnance officer_____	OO
Organization_____	Orgn
Outpost line_____	OPL
Outpost line of resistance_____	OPLR
Pack (troop) (train)_____	Pk (Tr) (Tn)
Parachute_____	Prcht
Park_____	Prk
Party_____	Py
Personnel (carrier) (officer) (section)_____	Pers(Car) (O) (Sec)
Photographic (section) (squadron)_____	Photo (Sec) (Sq)
Pigeon company_____	Pgn Co
Pioneer_____	Pion
Pioneer and demolition section_____	P & D Sec
Plans and training officer_____	S-3

Platoon (commander) (headquarters)	Plat (Comdr) (Hq)
Point	Pt
Ponton	Pon
Postal (section)	Post (Sec)
Prisoners of war	PW
Private	Pvt
Provisional	Prov
Provost marshal	PM
Provost Marshal General	PMG
Pursuit (group) (squadron)	Pur (Gp) (Sq)
Quartering (detachment) (officer)	Qr (Det) (O)
Quartermaster Corps	QMC
Quartermaster (section)	QM (Sec)
Radio (company) (section)	Rad (Co) (Sec)
Radio and panel section	R & P Sec
Radio intelligence (company)	Rad Int (Co)
Railhead (detachment)	Rhd (Det)
Railhead officer	RHO
Railroad	RR
Railroad transportation officer	RTO
Railway (battalion)	Ry (Bn)
Railway traffic officer	R Traf O
Range (officer)	Rg (O)
Ration distributing point	RDP
Rear (echelon) (guard)	Rr (Ech) (Gd)
Reception (center)	Recp (Cen)
Reconnaissance (officer) (squadron)	Rcn (O) (Sq) (LR)
(long range) (medium range).	(MR)
Reconstruction park	Recons Prk
Record	Rcd
Refrigeration	Ref
Regiment	Regt
Regimental	Regtl
Regimental adjutant	S-1
Regimental headquarters	RHQ
Regimental intelligence officer	S-2
Regimental plans and training officer	S-3
Regimental reserve line	RRL
Regimental supply officer	S-4
Regulating (officer) (point) (station)	R (O) (P) (Sta)

Reinforced	Reinf
Remount (depot) (officer) (service)	Rmt (Dep) (O) (Serv)
Repair (section)	Rep (Sec)
Replacement	Repl
Replacement Training Center	RTC
Reproduction	Repro
Reserve	Res
Rifle (company) (platoon) (squad)	R (Co) (Plat) (Sqd)
Road	Rd
Road bend	RB
Road junction	RJ
Road space	RS
Sales commissary (battalion) (company)	Sales Comm (Bn) (Co)
Salvage (battalion) (company)	Salv (Bn) (Co)
Sanitary	Sn
Scheduled	Scd
School	Sch
Scout	Sct
Scout car	Sct C
Scout car, half-track	Sct C Ht
Searchlight	Slt
Second lieutenant	2d Lt
Section	Sec
Self-propelled mount	SPM
Semiautomatic rifle	SAR
Semimobile	Sem
Separate	Sep
September	Sept
Sergeant	Sgt
Service (battalion) (battery) (company) (troop).	Serv (Bn) (Btry) (Co) (Tr)
Shoe repair	S Rep
Side car	Sc
Signal (battalion) (company) (troop) (depot) (officer) (section).	Sig (Bn) (Co) (Tr) (Dep) (O) (Sec)
Signal Corps	Sig C
Signal operations instructions	SOI
Small arms (ammunition)	SA (Am)
Sound and Flash (battalion)	S & F (Bn)
Sound locator	S-L

Sound ranging-----	SR
South-----	S
Special troops-----	Sp Trs
Special weapons (troop) (platoon)---	Sp Wpn (Tr) (Plat)
Squad-----	Sqd
Squadron (headquarters) (headquarters and headquarters detachment).	Sq (Hq) (Hq & Hq Det)
Staff (group) (squadron)-----	Stf (Gp) (Sq)
Standing operating procedure-----	SOP
Station-----	Sta
Stenographer-----	Steno
Sterilization and bath-----	S & B
Straggler line-----	Strag L
Submachine gun-----	SMG
Supply (company) (section)-----	Sup (Co) (Sec)
Supply officer-----	S-4 or Sup O
Support line-----	SL
Supply point-----	Sup Pt
Surgeon-----	Surg
Surgical (hospital)-----	Surg (Hosp)
Survey-----	Surv
Switchboard-----	Sb
Switching central-----	Sw C
Tables of Basic Allowances-----	T/BA
Tables of Organization-----	T/O
Tank (battalion) (company)-----	Tk (Bn) (Co)
Tank destroyer-----	TD
Technical-----	Tech
Technical Manual-----	TM
Technical Regulations-----	TR
Technician-----	Techn
Telegraph (section)-----	Tg (Sec)
Telegraph printer-----	Tgp
Telephone (section)-----	Tp (Sec)
Theater headquarters-----	THQ
Theater of operations-----	T of Opns
Time lengths-----	TL
Toolmaker-----	Tlmkr
Topographic-----	Top or Topo
Tractor-----	Trac

Tractor-drawn.....	Tr Dr
Traffic.....	Traf
Train.....	Tn
Trailer.....	Tlr
Training.....	Tng
Training Circular.....	TC
Training film.....	TF
Transport or transportation (com- pany) (officer) (platoon).....	T (Co) (O) (Plat)
Trench mortar (battery).....	T Mort (Btry)
Tricycle, motor.....	Tricl Mtr
Troop(s).....	Tr(s)
Truck (battalion) (company) (sec- tion) (truck head).....	Trk (Bn) (Co) (Sec) (Trk hd)
Truck-drawn.....	Trk-Dr
Truck head.....	Trk hd
Veterinary or veterinarian.....	Vet
Veterinary Corps.....	VC
Veterinary (company) (evacuation hospital) (service).....	Vet (Co) (Evac Hosp) (Serv)
Visual.....	Vis
Wagon (battalion) (company) (mas- ter) (section) (train).....	Wag (Bn) (Co) (Mr) (Sec) (Tn)
War Department.....	WD
Warrant officer.....	WO
Water supply.....	W Sup
Water tank (battalion) (train).....	W Tk (Bn) (Tn)
Weapon carrier.....	Wpn Carr
Weapons (troop) (platoon).....	Wpn (Tr) (Plat)
Weather (group) (officer) (squadron).....	Wea (Gp) (O) (Sq)
Welder.....	Wldr
West.....	W
Winch.....	Wn
Wing.....	Wg
Yard.....	Yd
Year.....	Yr
Zone.....	Z
Zone of the interior.....	Z of I

■ 13. EXAMPLES.—*a. Units of armored division.*

1st Armored Division	1st Armd Div
Headquarters	Hq
Headquarters Company	Hq Co
1st Reconnaissance Battalion	1st Rcn Bn
1st Armored Brigade	1st Armd Brig
Headquarters and Headquarters Com- pany	Hq & Hq Co
1st Armored Regiment (Light)	1st Armd Regt (L)
13th Armored Regiment (Light)	13th Armd Regt (L)
69th Armored Regiment (Medium)	69th Armd Regt (M)
16th Engineer Battalion (Armored)	16th Engr Bn (Armd)
68th Field Artillery (Armored)	68th FA (Armd)
6th Infantry (Armored)	6th Inf (Armd)
27th Field Artillery Battalion (Ar- mored)	27th FA Bn (Armd)
47th Signal Company (Armored)	47th Sig Co (Armd)
19th Ordnance Battalion (Armored)	19th Ord Bn (Armd)
13th Quartermaster Battalion (Ar- mored)	13th QM Bn (Armd)
47th Medical Battalion (Armored)	47th Med Bn (Armd)
12th Observation Squadron (At- tached)	12th Obsn Sq (Atchd)

b. Units of cavalry division, horse.

1st Cavalry Division	1st Cav Div
Headquarters	Hq
Headquarters Troop	Hq Tr
1st Reconnaissance Squadron	1st Rcn Sq
1st Signal Troop	1st Sig Tr
Antitank Troop	AT Tr
27th Ordnance Company (Medium Maintenance)	27th Ord Co (M Maint)
1st Cavalry Brigade	1st Cav Brig
Headquarters and Headquarters Troop	Hq & Hq Tr
5th Cavalry	5th Cav
Weapons Troop, 1st Cavalry Brigade	Wpn Tr 1st Cav Brig
2d Cavalry Brigade	2d Cav Brig
Headquarters and Headquarters Troop	Hq & Hq Tr
1st Cavalry Division Artillery	1st Cav Div Arty

Headquarters and Headquarters

Battery.....	Hq & Hq Btry
82d Field Artillery Battalion (75-mm Howitzer, Horse-drawn).	82d FA Bn (75-mm How H-Dr)
Field Artillery Battalion (105-mm Howitzer, Truck-drawn).	FA Bn (105-mm How Trk-Dr)
8th Engineer Squadron.....	8th Engr Sq
1st Medical Squadron.....	1st Med Sq
16th Quartermaster Squadron.....	16th QM Sq
Ordnance Company, Medium Maintenance.....	Ord Co (M Maint)

c. Units of infantry division (square).

Headquarters.....	Hq
Special Troops.....	Sp Tr
Headquarters and Headquarters	
Detachment.....	Hq & Hq Det
Medical Detachment.....	Med Det
Headquarters Company.....	Hq Co
Military Police Company.....	MP Co
Signal Company.....	Sig Co
Ordnance Company, Medium Maintenance.....	Ord Co (M Maint)
Infantry Brigade.....	Inf Brig
Headquarters and Headquarters	
Company.....	Hq & Hq Co
2d Infantry Regiment.....	2d Inf Regt
Field Artillery Brigade.....	FA Brig
Headquarters and Headquarters	
Battery.....	Hq & Hq Btry
Field Artillery Regiment (155-mm Howitzer).	FA Regt (155-mm How)
2d Field Artillery Regiment (105-mm Howitzer).	2d FA Regt (105-mm How)
Engineer Regiment (combat).....	Engr Regt (c)
Medical Regiment.....	Med Regt
Quartermaster Regiment.....	QM Regt

d. Units of infantry division (triangular).

Headquarters-----	Hq	
Headquarters and Military Police Company-----	Hq & MP Co	
Signal Company-----	Sig Co	
Reconnaissance Troop-----	Rcn Tr	
Infantry Regiment-----	Inf Regt	
Division Artillery-----	Div Arty	
Headquarters and Headquarters Battery-----	Hq & Hq Btry	
I	II	III
1-155-mm Howitzer (or) 3-105-mm	4-105-mm Howitzer (or)	1-155-mm Howitzer 3-75-mm gun

Engineer Battalion----- Engr Bn

Medical Battalion----- Med Bn

Quartermaster Battalion----- QM Bn

e. Units of infantry division (triangular, motorized).—
Same as above except three infantry regiments are motorized, and field artillery component is one battalion of 155-mm Howitzers and three battalions of 105-mm Howitzers.

f. Units which may be attached to an infantry division or cavalry division.

Coast Artillery (Antiaircraft)----- CA (AA)

Company (Chemical Warfare Service)----- Co (CWS)

Engineer Battalion (General Service)----- Engr Bn (Gen Serv)

Engineer Battalion (Separate)----- Engr Bn (Sep)

Surgical Hospital----- Surg Hosp

Balloon Squadron----- Bln Sq

Observation Squadron----- Obsn Sq

Field Artillery Observation Battalion-- FA Obsn Bn

APPENDIX

LIST OF REFERENCES

- AR 850-150, Authorized Abbreviations for Military Records.
- AR 300-15, Maps and Mapping.
- FM 21-25, Elementary Map and Aerial Photograph Reading.
- FM 21-35, Sketching.
- TM 5-230, Topographic Drafting.
- FM 4-155, Coast Artillery, Reference Data.
- FM 6-130, Field Artillery, Reference Data.
- FM 21-105, Engineer Soldier's Handbook.
- FM 21-100, Soldier's Handbook.
- FM 8-55, Medical Department Reference Data.
- FM 21-6, List of Publications for Training.
- FM 21-26, Advanced Map and Aerial Photograph Reading.
- FM 5-35, Engineer, Reference Data.

INDEX

Abbreviations:	Paragraph	Page
For general use.....	10	44
For use with hydrographic symbols:		
Bottoms.....	11e	46
Buoys.....	11c	46
Fog signals.....	11d	46
General.....	11a	45
Lights.....	11b	45
List.....	12	47
Military—examples of units:		
Armored division.....	13a	61
Attached to an infantry division.....	13f	63
Cavalry division, horse.....	13b	61
Infantry division (square).....	13c	62
Infantry division (triangular).....	13d	63
Infantry division (triangular, motorized).....	13e	63
Air Corps symbols.....	9a	33
Air navigation maps:		
Characteristics.....	5	18
List of symbols.....	6	18
Application of special military symbols.....	9	33
Basic military symbols.....	8	22
Boundaries:		
Military.....	8d	29
Topographic.....	4b	7
Cavalry symbols.....	9c	34
Chemical Warfare Service symbols.....	9d	35
Coast Artillery Corps symbols.....	9e	36
Color of symbols:		
Military.....	7a	20
Topographic.....	3b	1
Drainage.....	4d	8
Engineers' symbols.....	9f	36
Examples of military abbreviations.....	13	61
Field Artillery symbols.....	9g	37
General abbreviations.....	10	44
Hydrography.....	4g	13
Infantry symbols.....	9h	38
Land classification.....	4f	10
Lettering of topographic symbols.....	3c	2
List of—		
Abbreviations.....	10	44
Basic military symbols.....	8	22
Military abbreviations.....	12	47
Topographic symbols.....	4	2
Marginal information.....	4c	7
Medical Department symbols.....	9i	39

INDEX

	Paragraph	Page
Navigation, aids.....	4h	15
Ordnance symbols.....	9j	40
Purpose of manual.....	1	1
Quartermaster Corps symbols.....	9k	41
Relief.....	4e	9
Scope of manual.....	2	1
Signal Corps symbols.....	9l	42
Size of topographic symbols.....	3a	1
Structures.....	4a	2
Symbols:		
Air navigation maps:		
Characteristics.....	5	18
List.....	6	18
Military:		
Basic, list of, to indicate—		
Activities.....	8a	22
Arms or services.....	8b	27
Boundaries.....	8d	29
Hasty sketches.....	8f	32
Size of units.....	8c	28
Weapons.....	8e	31
General rules for.....	7	20
Special:		
Application to—		
Air Corps.....	9a	33
Armored Force.....	9b	33
Cavalry.....	9c	34
Chemical Warfare Service.....	9d	35
Coast Artillery Corps.....	9e	36
Corps of Engineers.....	9f	36
Field Artillery.....	9g	37
Infantry.....	9h	38
Medical Department.....	9i	39
Ordnance.....	9j	40
Quartermaster Corps.....	9k	41
Signal Corps.....	9l	42
For use in sketches.....	8f	32
Topographic:		
Characteristics.....	3	1
List:		
Boundaries, marks, and monuments.....	4b	7
Drainage.....	4d	8
Hydrography.....	4g	13
Land classification.....	4f	10
Marginal information.....	4c	7
Navigation, aids to.....	4h	15
Relief.....	4e	9
Works and structures.....	4a	2
Unit designations.....	7b	20



